

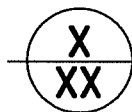
MINIMUM DIMENSIONS				
PIPE SIZE	TIE RODS	HARNESS BLOCK *	A	THRUST BLOCK **
6"	5/8"	4 SQ. FT.	2'	4 SQ. FT.
8"	3/4"	7 " "	3'	7 " "
12"	1 1/8"	15 " "	3'	16 " "
OVER 12" BY THE DESIGN ENGINEER				

* BEARING AREA BELOW GRADE OF PIPE AGAINST UNDISTURBED GROUND.

** BEARING AREA AGAINST UNDISTURBED GROUND.

NOTE:

ALL EXPOSED THREADS SHALL BE PAINTED WITH BITUMASTIC PAINT OR APPROVED SUBSTITUTE, AFTER NUTS ARE TIGHTENED.



THRUST RESTRAIN DETAIL

SCALE: NONE

LBNL STANDARD
THRUST RESTRAIN DETAIL

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY
FACILITIES DIVISION

DRAWN BY	DATE
CHECKED BY	
APPROVED BY	
CAD FILE PATH	
SCALE	NTS
DRAWING NO.	SHEET
U 133	
PROJECT NO.	